

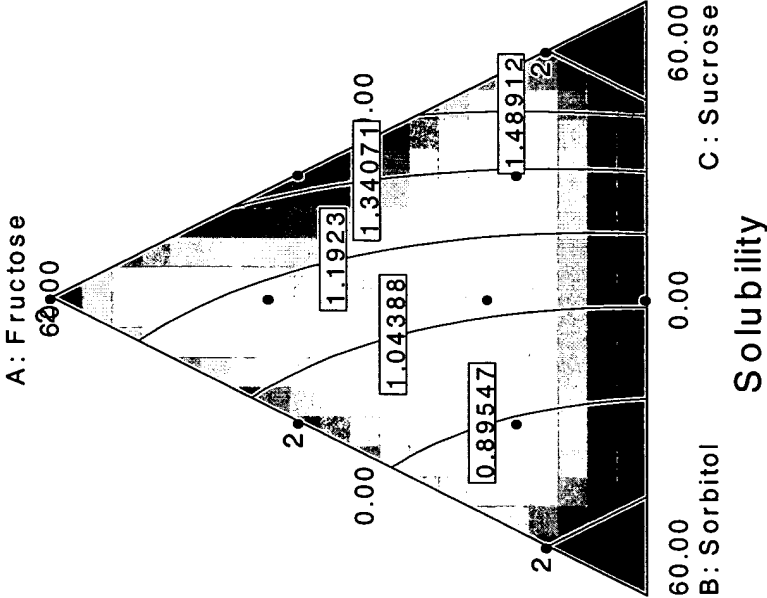
Mixture Study Results: Linezolid Solubility Quadratic Model

DESIGN-EXPERT Plot

Solubility

● Design Points

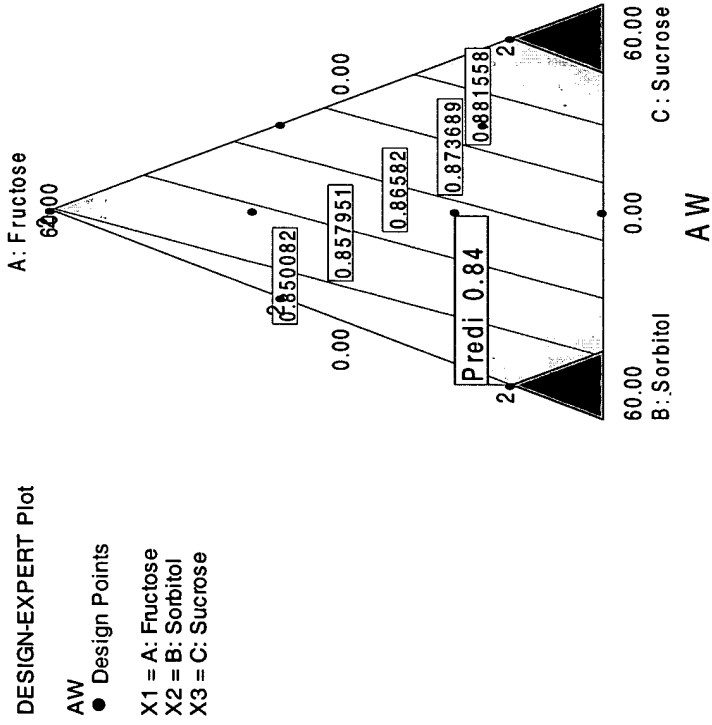
X1 = A: Fructose
X2 = B: Sorbitol
X3 = C: Sucrose



Solubility= $+0.022030 \times \text{Fructose} + 0.011945 \times \text{Sorbitol} + 0.030750 \times \text{Sucrose} - 9.30643\text{E-}005 \times \text{Fructose} \times \text{Sorbitol} - 1.82481\text{E-}004 \times \text{Fructose} \times \text{Sucrose} - 2.45548\text{E-}004 \times \text{Sorbitol} \times \text{Sucrose}$

FIG 1

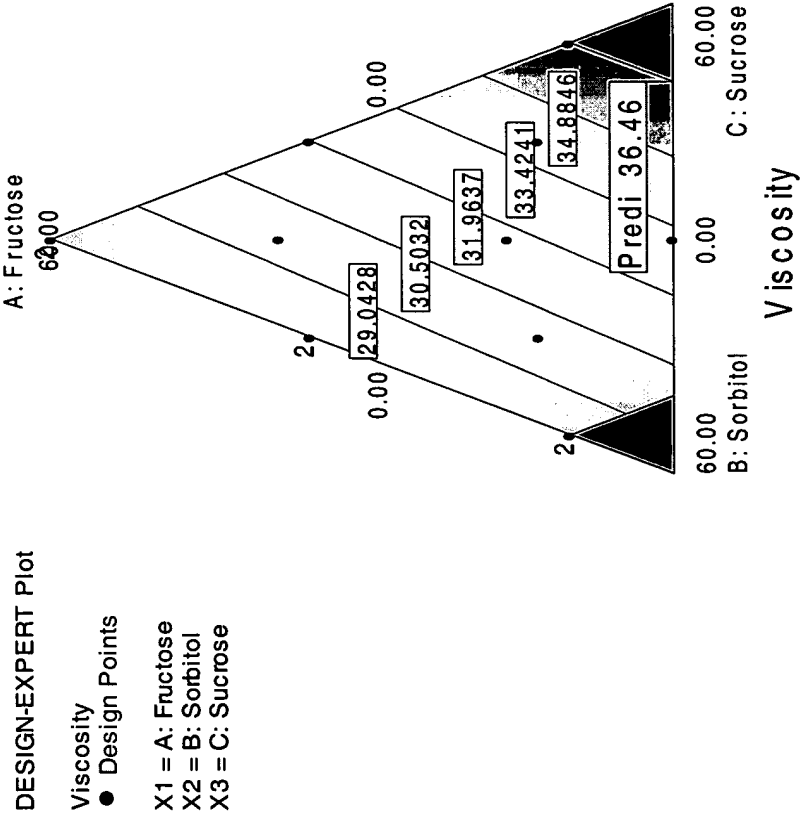
Mixture Study Results: Solution Water Activity (AW) – Linear Model



$$AW = +0.014164*Fructose+0.014023*Sorbitol+0.014968*Sucrose$$

FIG 2

Mixture Study Results: Solution Viscosity (cps) – Linear Model



$$\text{Viscosity} = +0.45971 \cdot \text{Fructose} + 0.47014 \cdot \text{Sorbitol} + 0.63515 \cdot \text{Sucrose}$$

FIG 3

Linezolid Release from Microcaps and Coacervates in Control and Test Vehicles

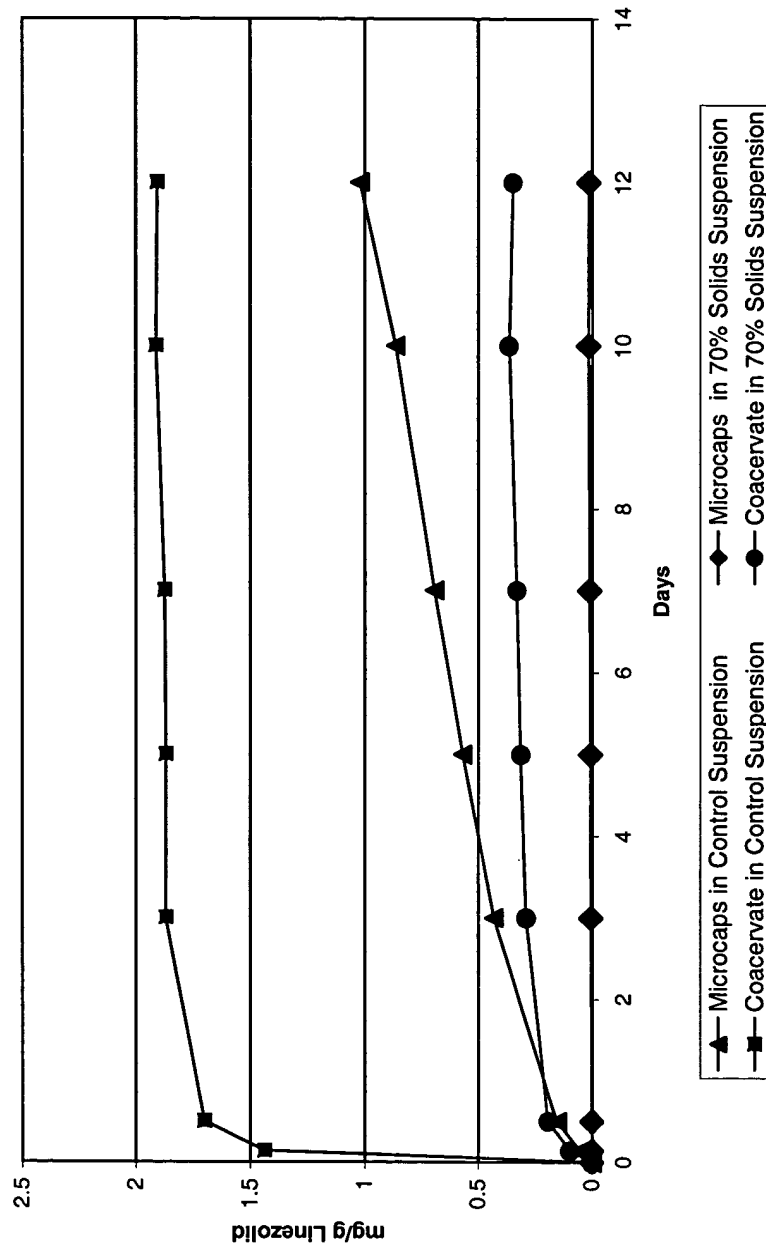


FIG 4

*Release of Linezolid from Linezolid Microcaps in Control,
50%, and 70% Solids Vehicles*

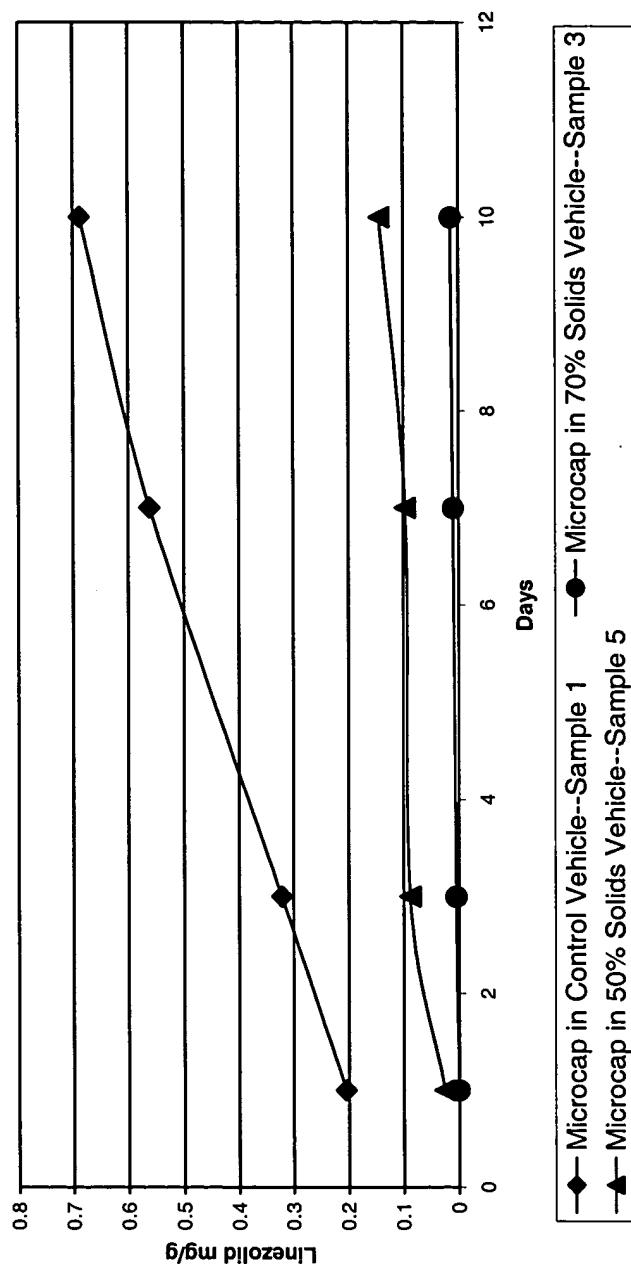


FIG 5